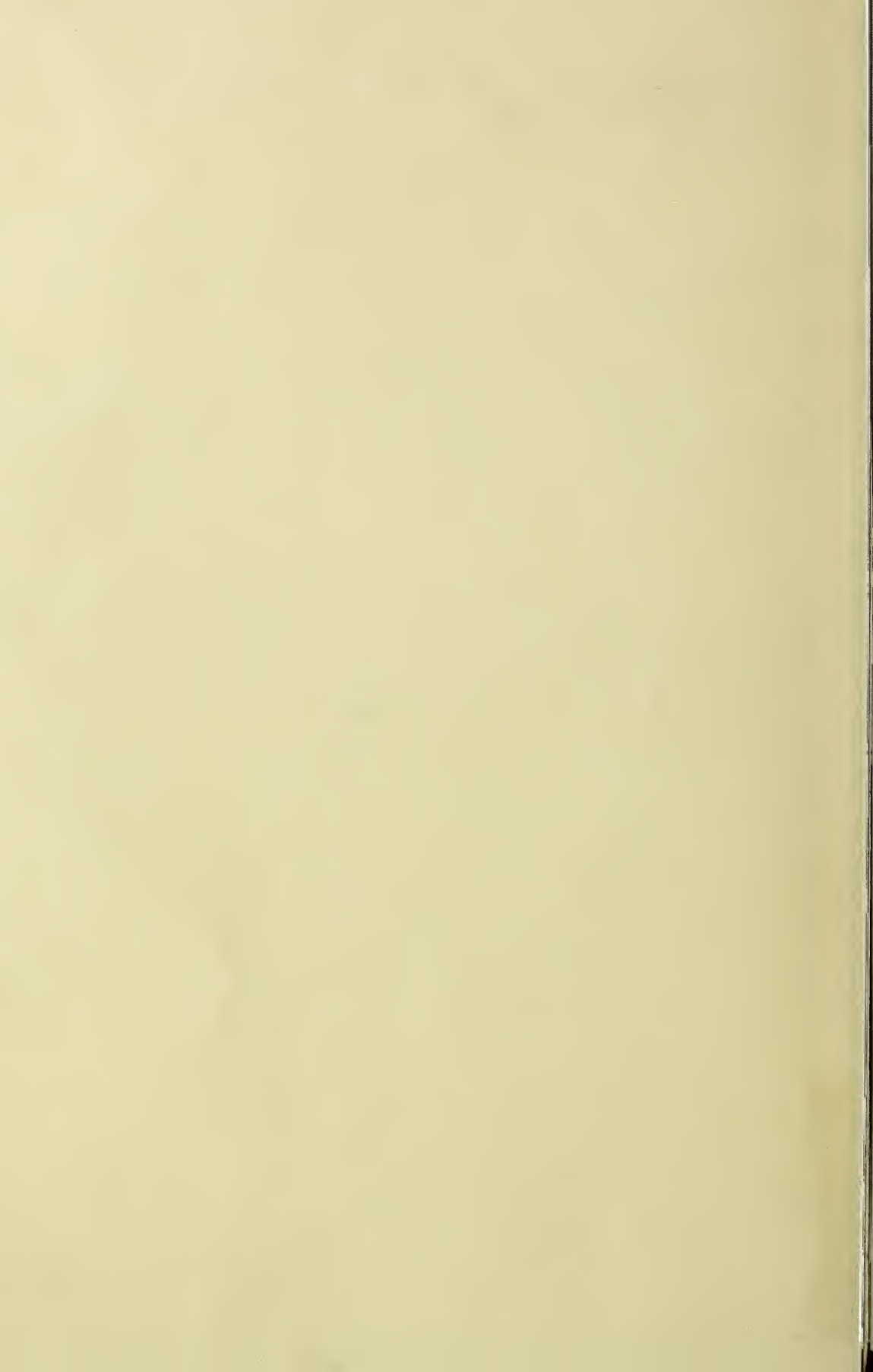


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THE AGRICULTURAL STUDENT



TWENTIETH ANNIVERSARY NUMBER

100

JUNE 1914

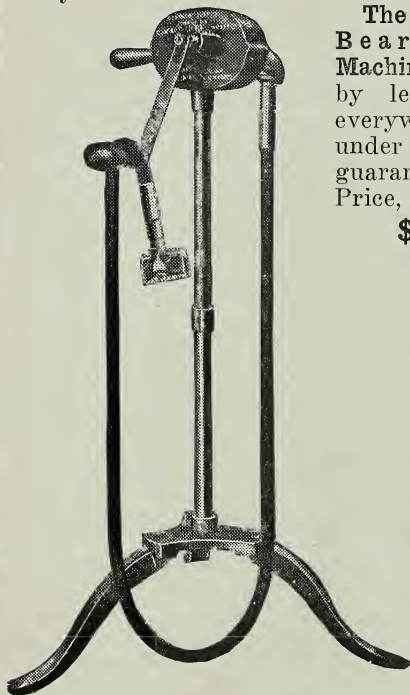
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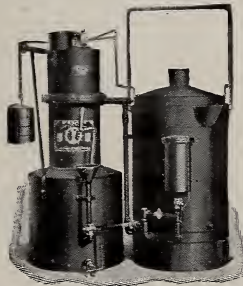
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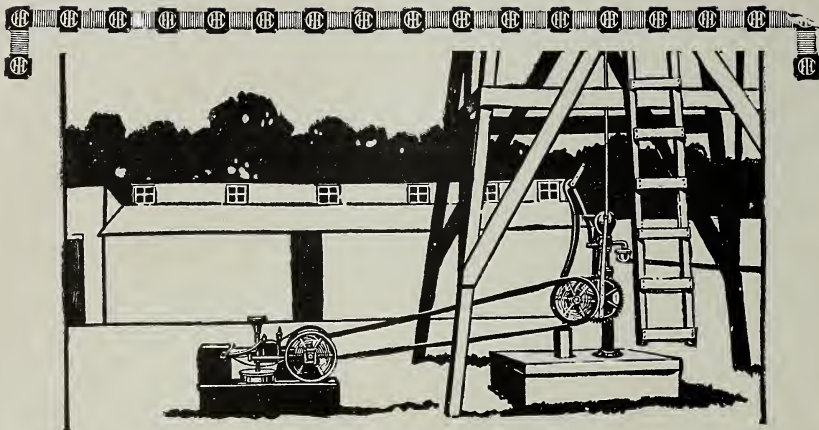
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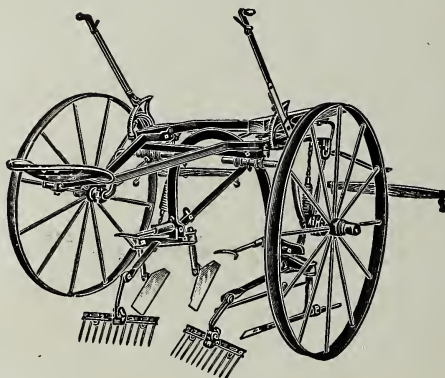
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(Signed) D. E. C. LONG & SONS.

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The U. S. holds the World's Record for closest skimming.

Quick service.

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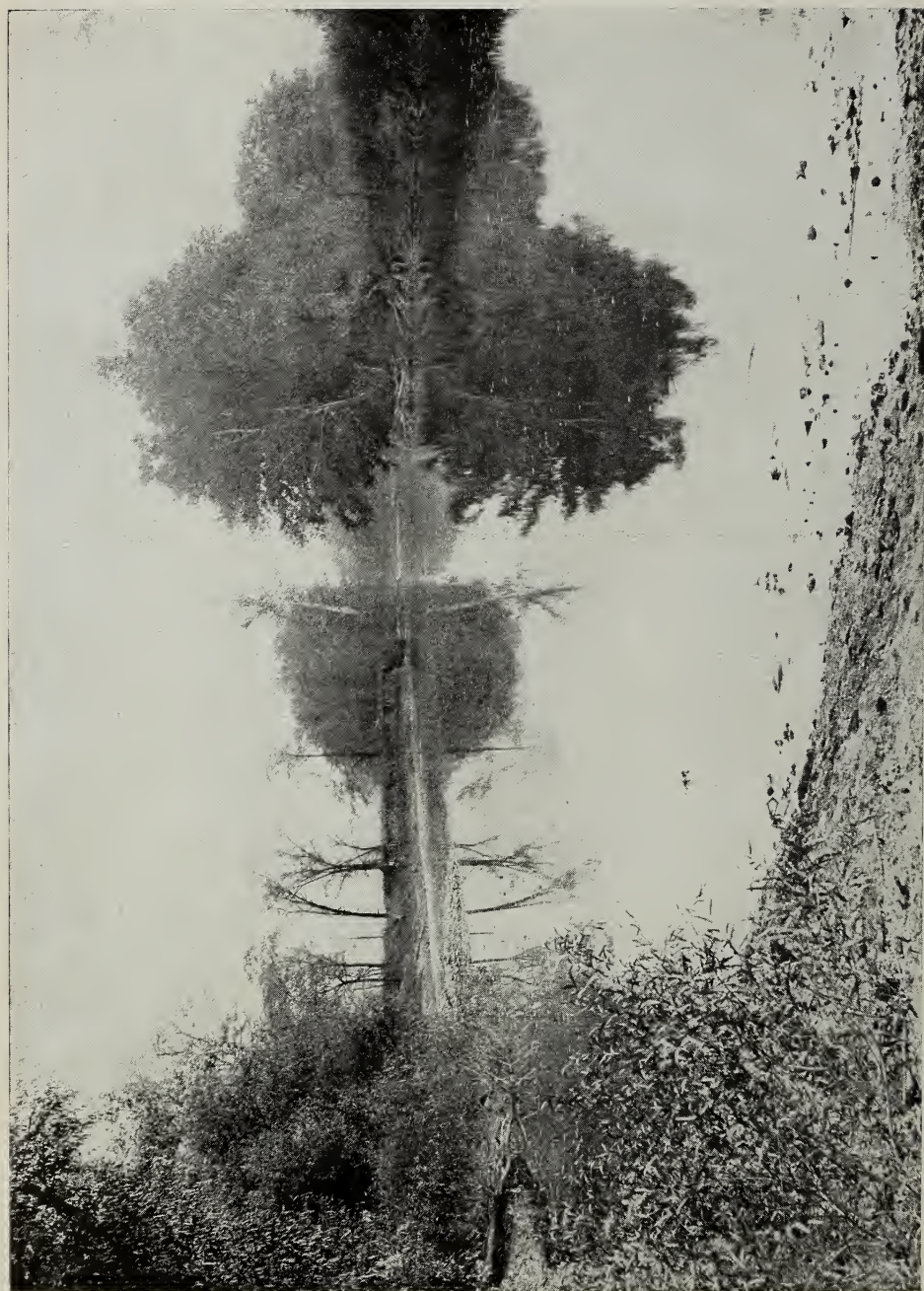
Los Angeles



—Courtesy Extension Department

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ALONG THE OLENTANGY RIVER.

THE AGRICULTURAL STUDENT

Vol. XX.

OHIO STATE UNIVERSITY, COLUMBUS, JUNE, 1914

No. 10

A Reminiscence of Former Days at Ohio State

J. F. CUNNINGHAM

Cleveland, Ohio, April 30, 1914.

Mr. J. W. Henceroth, "The Agricultural Student,"

College of Agriculture, Columbus, Ohio.

My dear Mr. Henceroth—You are certainly correct in your statement that "The Agricultural Student" needs no introduction to me. I met this estimable publication years ago, and in fact I can truthfully claim that it is a sort of child of mine; and through my close association with it in the early years of its existence, I came to think more and more of it until now, when one of your handsomely printed magazines is placed before me, I pick it up with a good deal the same feeling that a father must have when he can take a young man by the hand and say, "My son, I am proud of you."

In some ways it seems quite impossible that twenty years have elapsed since that small group of pioneer agricultural students got together in the old horticultural building, and developed the germ of an idea that resulted in the appearance of the first official publication of "The Student," the first of its kind in any American agricultural college. Since that time many changes have taken place in and around the institution, and one of the changes which some of us keenly regret is the absolute removal of the birthplace of three institutions, which have been largely instrumental in developing the agricultural college—The Agricultural Student Magazine, Townshend Literary Society and the first Agricultural Fraternity; then there is one other which I might mention, but which is not now in existence, viz.; The Ohio Agricultural Student Union, which was developed and managed by the same group of students who developed the three institutions just mentioned, and which finally grew beyond the power of unsalaried men to handle its work. It was then divided between the Ohio State University and the Ohio Experiment Station, being the basis of the present agricultural extension work of the former and the co-operative experimental work of the latter. Consequently, I say some of us regret the razing of the old horticultural building, which was really the birthplace of some movements that have been of fundamental importance in the development, not only of the Ohio College of Agriculture, but which, having been adopted elsewhere, have been utilized to the great benefit of agricultural colleges in many of the states of the Union.

For one who left the institution before it began to approach its present magnitude, it is difficult to make a reliable forecast as to its future. The best basis for prophecy, however, is a knowledge of the events of the past. It would not be difficult, therefore, for one to wax enthusiastic over the outlook so far as the growth of the college of agriculture is concerned. It is,

however, a serious problem which confronts us in taking care of such great increase and development, if it continues as rapidly in the future as it has gone forward during the past few years. However, we are able to find considerable help in the fact that under the new plan of combining the agricultural college with other academic institutions, we will be able to have our students take at least the first two years of their training in smaller institutions, and lay upon our central institution at Columbus, only the task of finishing these college men and women; which will, in turn, make it possible for the men at the Ohio State University to devote more time to advanced work, research and writing. This will naturally redound to the wider and higher reputation of the institution, and under these circumstances the marvelous growth of the past few years cannot help but continue.

As for my connection with "The Agricultural Student," I must state that it was of great value to me. In those days those who did work on college papers were given certain credit in the Department of English and each issue of the paper was gone over in a critical way by one of the professors in that department. I recall today, some of the leading criticisms which Prof. Denney made and especially some of the laughable ones that were made by both the professor and members of the class in connection with the earlier numbers of "The Student." These all helped though, because we were all in dead earnest and we were doing our best to get out a paper which would not only be proof against the jibes of our fellow students, but which would also make it possible for our new publication to obtain a reasonable standing among the farmers of the state. This early training, laying the very foundation stone of a publication, as it were, most certainly has been valuable experience for those of us who have gone more seriously into journalism in later years.

I have always maintained that one of the most valuable features of a college course is the opportunity, which it gives one to meet other people; to learn how to approach strangers and how to get at the inside of a proposition, which may be more or less new and strange. Naturally, our connection with a brand new publication made it necessary for us to develop these qualities, and this was certainly a great benefit to all of us.

I cannot close without stating once again my great pleasure in looking over, each month, the most excellent magazine which you men are publishing. It would be a pleasure to look through it even if it had no other features than its own high merit; but I cannot get away from the fact that I am at least partially responsible for its first appearance, and of course, this adds greatly to the pleasure of watching its increasing growth and broadened usefulness.

With best wishes,

Yours cordially,

(Signed) JOHN F. CUNNINGHAM,

Managing Editor "The Ohio Farmer."

Launching the Pioneer Publication of the United States

C. W. BURKETT

New York, April 3, 1914.

Mr. J. W. Henceroth,

"The Agricultural Student," Columbus, Ohio.

My dear Editor—Is it possible that twenty years have passed since the first issue of "The Agricultural Student" made its appearance? How time does fly! And how agricultural education does advance! I was one of the pioneers, then there were few students, few teachers, little equipment. But like all **pioneers** the students in those days were fired with an indescribable enthusiasm that neither limits nor opposition could check or thwart.



THE SPRINGS THAT WERE.

When I first broached the subject of publishing an agricultural college periodical to a few of my student friends, they received the idea with laughter, almost ridicule; and but one member of the faculty expressed any faith in the venture or in me. However, I had determined to bring out such a journal whether it met general approval or not. What happened, is history. That boyish faith has been justified; and today "The Agricultural Student" enjoys the distinction of not only being the pioneer agricultural student publication, but the foremost in a gala field of vigorous contemporaries.

The work of "The Agricultural Student" in sharing in the building of a notable agricultural college is so great as to render its importance and contribution unmeasurable. I have watched this periodical grow and develop. I doubt if at any time during its twenty years has it more fully and sympa-

thetically reflected public opinion of agricultural college boys than it does at the present time. I believe this periodical will live forever, just as I believe the agricultural college will live for all time to come. And both will grow bigger, more important, more powerful. Twenty years ago I made the prophecy that agricultural college boys could publish an agricultural journal. Today I make another prophesy, ere twenty years roll around again the agricultural college will be larger than the entire university of the present day, and the present equipment, buildings and resources of the entire university today will be inadequate for the needs and requirements of the agricultural college alone, twenty years hence. This may seem a broad statement, but I am satisfied to make it in the mature years of my life as I was to express in action the visions of a dreamer twenty years ago.

I touched upon a point a moment ago—that agricultural students in the older days possessed an indescribable enthusiasm that governed and controlled them. In these days of reaping there is needed in college boys greater enthusiasm than ever before. The need is for big, broad agricultural leaders who may have the courage to fight for the truth though it be unpopular, to challenge the agricultural demagogues and fanatics though they have great support, to build on the foundations constructed during the long years of the past though farm reformers would erect other structures on foundations untested and unsafe.

My plea is for "The Agricultural Student" to continue the mouth-piece of agricultural boys who dream and who see visions and whose enthusiasm may stir them to the finest accomplishments in the upbuilding of American rural life. If "The Agricultural Student" continues to be a spokesman of agricultural education and of a rich, full, glorious country life, its opportunities will enlarge and its usefulness extend beyond the borders of reckoning.

"The Agricultural Student" has nearly reached its maturity. May its adult life be as glorious and as productive of wholesome good as its clean, noble, manly youth. I am,

Very sincerely yours,

(Signed) CHARLES WILLIAM BURKETT,

Editor "American Agriculturist,"

Secretary Orange Judd Company.

Be noble! and the nobleness that lies
In other men, sleeping, but never dead,
Will rise in majesty to meet thine own;
Then wilt thou see it gleam in many eyes,
Then will pure light around that path be shed,
And thou wilt never more be sad and lone.
—Lowell.

Good Luck From Hard Work

F. P. STUMP

Convoy, Ohio, May 8, 1914.

Mr. J. W. Henceroth, Editor,

"The Agricultural Student," Columbus, Ohio.

My Dear Sir—When I remember what my responsibilities are with respect to "The Student," I know that gratitude should possess me, that those who through these twenty years have followed that first board of editors, have so well and truly developed and materialized the high dreams that we eleven indulged. For when the first, soon-to-be editor, C. W. Burkett, came to me proposing that the agricultural students start a "college paper" and asking my advice and assistance, I questioned him and found his idea was of a purely college paper similar to some others that have appeared and also—fortunately or otherwise—disappeared. I interposed an emphatic objection and sustained it with argument that convinced him.

But, I knew his heart was set on something of the kind. And as I never desired to destroy until I at least believed something better could and would be reared, I then suggested "The Agricultural Student," the first publication of its kind in the U. S. if not in the world.

In the work of "The Agricultural Students' Association," the object of which was to popularize the college of agriculture and through it the university with the farmers of the state, I long had felt the need of such a medium; and was glad indeed of the opportunity presented by Burkett's desire to get into the editorial chair. If I did not get Burkett to see it as it is and for 20 years has been, I saw it that way, or perhaps as my optimism then was great, I saw it then much more successful and useful.

So, I stood sponsor for the idea; consequently I must accept the post of business manager, as all felt that the financial rocks were the only ones to face. (Of course 11 enthusiastic agricultural students each running over with important and valuable information for the want of which farms and farmers were languishing, could not fail editorially.) And I suspected that 10 of the 11 on the board—and those 10 were all good men and true—expected those rocks—paradox, "lack of rocks"—would "do us" or undo us.

Ill health compelled me to return from the university before "The Student" was seven months old, but there were contracts on right side of the ledger to cover all on the other side and the future looked bright for the First Representative of a New Species in the Journalistic World.

As to how "The Student" helped me in later life, I can say only this: that upon retiring from the university on account of broken health, I bought a piece of swamp and mostly wooded land, some live stock and farm tools, and began the struggle to make a farm and home, in debt for every dollar of everything—absolutely as barren of financial assets as was "The Student" at its birth. The struggle has been long and at times dark,—so dark that just as in "The Student's" career, I seemed the only one concerned who could see a single ray of light. It may have been only illusion with me, but I have not failed yet. All in all my connection with "The Student" has

seemed just a lesson in hard work, and has strengthened greatly my "Faith in the Wisdom of Doing Right."

With genuine love for the other ten whose countenances daily beam upon me from the big "Baker" photograph upon my wall, and with high regard for those who have followed and have done so well, I am,

Very truly yours,

(Signed) F. P. STUMP.

Struggles in Advancement

A. G. McCALL

Columbus, O., May 18, 1914.

Editor, "The Agricultural Student,"
Columbus, Ohio.

My Dear Mr. Henceroth—The writer began his career as editor-in-chief of "The Agricultural Student" in October, 1900, and came very near having his young life snuffed out by an irate business manager before copy was prepared for the second issue. As the result of an editorial in the first issue the business manager lost more than half of his advertisers but an apology and complete denial the next month served to bring back the offended customers and to appease the business manager.

The writer does not pose as a prophet nor as the son of a prophet, but we believe that we earned the title. With a total registration for the entire university of 1292 and for the college of agriculture 135, the writer made the following statement: "The Ohio State University is fast coming to the front and will some day be a leading educational institution in every line." We were just as loyal and enthusiastic in those days of small things as you are today with an enrollment more than ten times as great in the college of agriculture. In those early days the task of securing sufficient copy was a difficult one and it is little wonder that the editor was driven to make use of the scissors and paste pot quite frequently.

Cordially yours,

(Signed) A. G. McCALL,

Professor of Agronomy, Ohio State University.

Views from the College Halls

V. H. DAVIS

Columbus, O., May 20, 1914.

Editor of "The Agricultural Student,"

Columbus, Ohio.

My dear Sir—Replying to your request for something in connection with the history of "The Agricultural Student," the writer became acquainted with this magazine away back in 1894 when in some manner a few numbers made their way to our country home among the hills of Guernsey County. The message this little folder (hardly more than that then) carried became one of the chief influences that enabled me to decide in favor of a college course in agriculture. And there is no doubt in my mind but what a number of other students in the college of agriculture have been very largely influenced to enter agricultural work by "The Student."

My first connection with the paper began a few years after entering college as an Associate Editor, then as Editor and finally as Business Manager. The experience gained in these various capacities has been invaluable, even though it did not make a newspaper man of me. The close association with such men as Burkett, Cunningham, Miller, Fippin, Wheeler, and others, who have made a name for themselves along their chosen lines, was an inspiration and help never to be forgotten.

To my mind the chief service "The Agricultural Student" may render the students of Agriculture is in the opportunity for training in writing and in expressing the facts and conclusions learned both in the class room and from their own research and observation. The public generally expects the graduates of the agricultural college not only to take the lead in their various communities in advancing the agricultural interests but also to be able to express their views through the agricultural press in such a way as to reach a much wider circle than could be served locally. If the students while in the agricultural college would avail themselves more generally of this opportunity to express themselves in print the results could not help but be satisfactory. It was always one of my regrets that such a small number of students could be induced to contribute anything for their own publication.

In closing permit to extend to the present management my sincere compliments upon the splendid magazine you are now publishing. "The Agricultural Student," as you know, was the first publication of its kind in the country and today it stands first among all of the numerous similar publications that have followed its lead.

Long live "The Student" and may its usefulness and influence spread.

Very truly yours,

(Signed) V. H. DAVIS,

Professor of Horticulture, Ohio State University.

Glimpses of Olden Days in the Editor's Chair

M. F. MILLER

Columbus, Ohio, April 8, 1914.

Mr. J. W. Henceroth, "The Agricultural Student,"

College of Agriculture, Columbus, Ohio.

My dear Sir—My connection with "The Student" as editor was during the years 1902-04 when I was an instructor in the University. That was in ante-bellum times when "The Student" wasn't strong enough to stand without the support of some member of the instructional staff; at least that seemed to be the feeling. I have doubted it since.

I remember particularly well that there was a great scarcity of material for publication at that time and it was necessary for the editor to be very expert in the use of the scissors. He also spent a great deal of time pushing his pencil on book reviews and what were thought at that time to be weighty editorials. There weren't so many things to write about in those days nor were there so many students to call upon. As I remember it the articles were quite uninteresting and the paper ran more as a matter of form than because people were particularly interested in what it contained.

The troubles were not all in the office of the editor. The business manager, Mr. Davis, had, I think, even more serious difficulties in keeping the paper on its feet financially than the editorial staff had in filling it with reading matter. Of course, all publications go through a period of just this sort of thing before they finally get on their feet and after all, I am rather glad to be able to look back on the time when I helped to keep the paper alive.

There was one function of "The Agricultural Student" at that time which ultimately proved of much importance. It was the advertising which was carried forward under what was known as "The Agricultural Students' Union." I remember the long editorials we used to write on the benefits to be derived from associating oneself with this organization. At that time the work of "The Students' Union" was divided roughly into two general lines, the co-operative experimental work and certain general extension activities. These "The Student" helped to develop until they became of sufficient importance to merit recognition, the result being that the co-operative work was finally taken over by the Experiment Station at Wooster, and developed into the present system of co-operative experiments, while the extension work was taken over by the College of Agriculture and was the beginning of the present extension activities.

"The Student" as published today is a wonderful improvement over that of former days and I am sure that every old man will freely admit it. I wish to congratulate most heartily the present management on the excellent magazine they are getting out. Nevertheless, I think all of the old fellows who were responsible for the earlier work of the publication do not regret the time they spent rustling articles, penning doubtful editorials and pasting dummies.

Yours very truly,

(Signed) M. F. MILLER,

Prof. of Soils, Univ. of Mo.

Tidings from the West

C. D. HYATT

Craig, Colo., April 27, 1914.

"The Agricultural Student,"

Columbus, Ohio.

Dear Sir—I am glad indeed to be able to add a few words to the cause which "The Student" represents. Since leaving the University I have been more or less connected with agriculture and at present am considerably connected with the same here in Moffat County.

We have just witnessed the passing of the stage-coach, on some lines at least, and the advent of the railroad. Pioneers we are no more. Two car loads of true-to-type seed potatoes are soon to be shipped into our community from the famous Carbondale, Colorado district. We shall be somewhat strong here on the tubers as the elevation, a little less than 6,000 feet, and the soil have already produced a potato which I am safe in saying contains a higher percentage of starch than any grown east of the Rockies.

Heretofore this has been largely a grazing country controlled almost entirely by big cattle men. In a conversation, the foreman of one of the big outfits said: "I give the big 'doggy' man just two more years on this range; then he must either go out of business or move on. Uncle Sam's nesters are taking the land." A few years hence will find a large part of this land occupied, not by the doggy man, but by the actual settler and each settler will have a small band of cattle or sheep of his own, a decidedly improved state of affairs over those existing today.

Now, while the outlook for northwestern Colorado today seems much brighter than at any time previously yet there is much work to be done, as is true of all other new countries. We have circumstances here to contend with that you eastern fellows know nothing about. This is a big country, Moffat County alone being half the size of Massachusetts. And right here is where the agricultural journals should enter. We can in an hour obtain the same valuable information which has cost some true son of the soil years if not a lifetime to find out. One man's mistakes may be used to advantage by everyone. So I say here's luck to "The Agricultural Student" and every other agricultural paper and although the Editor of this magazine thinks he has about the best paper going, and I agree with him, yet I hope to see eight years from now as much improvement as the present number shows over that of eight years ago.

With best wishes, I am,

Very truly yours,

(Signed) C. D. HYATT.



THE OLD NORTH DORM.



THE MAIN BUILDING IN THE SEVENTIES.



BIRD'S EYE VIEW OF THE ANIMAL HUSBANDRY DEPARTMENT BUILDINGS.

The Change in Control of "The Student"

E. J. KINNEY

Lexington, Ky., May 8, 1914.

Mr. J. W. Henceroth,

"The Agricultural Student," Columbus, Ohio.

Dear Sir—Although "The Agricultural Student" is the oldest agricultural college publication in the country, it is only since 1907 that it has been under the complete control of the student body of the agricultural college. Previous to this time, the editors and assistant editors were elected by The Agricultural Society, but the magazine was controlled and its policies shaped by members of the faculty who were in reality the owners. This was unsatisfactory to the students, and in 1907 the faculty was petitioned by "The Agricultural Society" to allow the society to have complete control of the magazine.

The petition was finally granted, and the society made arrangements to publish "The Student." Mr. J. O. Williams was elected business manager and the writer was elected editor. The inexperience of the editor was remarkable, and without the generous help of his associates the first few numbers of "The Student" would certainly not have been very creditable ones. As it was, there was undoubtedly much room for improvement. Mr. Williams also had his troubles with the financial end of the affair, but "Bill" was a hustler, and we got through by a narrow margin.

The continued improvement of "The Student" and its success is a source of gratification to those of us who were instrumental in securing control of its affairs. At the time the change was made, there existed considerable doubt among some as to the advisability of the change, but I think this doubt has all passed away.

The experience gained while editor of "The Student" has been of great value to me since leaving the University. In fact, I feel safe in saying that the training that year's work gave me was the most valuable thing I got while in college.

There is a splendid opportunity, it seems to me for "The Student" to be of much influence in the agricultural affairs of the state of Ohio. There is a place for an agricultural publication whose contents will appeal to the growing class of educated farmers in the state who want something better and more official than can be found in the popular farm papers. This place "The Agricultural Student" should fill.

With best wishes for the continued success of "The Student," I am,

Very cordially yours,

E. J. KINNEY,

Assistant Agronomist, Ky. Exp. Station.

A Training from Journalistic Work

J. O. WILLIAMS

Fort Collins, Colo., May 8, 1914.

Mr. J. W. Henceroth, Editor,

"The Agricultural Student," Columbus, Ohio.

Dear Sir—Your Anniversary Number feature appeals to me and it is with pleasure that I drop you a line for the occasion and it is with keen anticipation that I look forward to a line from the other contributors, many of whom I know quite intimately.

It is with considerable pride that we note the progress which "The Student" has made in recent years, and especially the development of features which will not only unify the farmer and student, but retain the interest of the alumni in the affairs of their Alma Mater. The development of features which appertain to student life and development of the spirit of agriculture among the students is quite as essential as the actual problem of the farmer. The student of today is the farmer of the future and everything that is done to promote interest in agriculture in the student is a commendable enterprise. This is accomplished in "The Student" in a remarkable degree, and the student who is associated with the publication of the magazine is extremely fortunate. It gives him an insight to business and editorial methods which are valuable in later years, as well as the satisfaction of being of some service to the farmer who is not in immediate touch with college affairs.

The college publication should be the acknowledged medium of intercourse between the student and farmer and stockman, and should have the united support of the student body, regardless of other affiliations. I trust that the spirit of co-operation exists among the students in the production of "The Student," as the best results can be obtained in this manner only.

I always recall with pleasure the experience I obtained in my association with "The Student," and heartily commend that each student should strive for a place on the staff. He will never regret his experience.

Very truly yours,

(Signed) J. O. WILLIAMS,

Expert-in-charge, Carriage Horse Breeding

Investigation, Colorado Exp. Station.

Studies and a College Education

C. E. SNYDER

Pittsburgh, Pa., April 6, 1914.

Mr. J. W. Henceroth,

"The Agricultural Student," Columbus, Ohio.

To the Editor—"The Student" is all right. I'm proud of it and proud that I once had an opportunity to serve my college through it. May it live long and prosper—I am sure it will.

Three things I have observed in my rather brief sojourn in the business

world: Many men cannot say what they think in clean-cut, correctly-used sentences; they hesitate, grope for words, mumble and—fail to make a good impression on those whom they are addressing. Many men are unable to express their ideas in writing with words and sentences so used that the meaning is perfectly clear. Many men become easily embarrassed on meeting strangers, especially if women are present.

These three things, if a man fail in—what a handicap! College life offers the opportunity to become proficient in all three, but few appreciate their importance until college days are over and then it is too late. Some day, and that day is not so far away, four years of writing and speaking the English language will be a requirement in every agricultural college curriculum, as it should be now. As to the social side of college life our own Dr. Kellerman, great student that he was, once said, in substance, "The boy who spends all of his time with his books loses at least one-third of what he might attain in his college course. The social side of college life is too worth while to ignore."

If you are going to college **wade in clear up to the chin**. Nobody is going to carry you in, or throw you in; **you must push in**. Take a part.

Very truly yours,

(Signed) CHAS. E. SNYDER,

Associate Editor The National Stockman and Farmer.



WATCHING THE TUG O' WAR.

The College Publication—A Medium for the Student's Power of Expression

H. E. ALLEN

Lafayette, Ind., May 19, 1914.

To "The Agricultural Student."

It is with pleasant anticipation that I look forward to the appearance of the Anniversary Number of "The Student" to be issued in June. I am sure it will be filled from cover to cover with live news and ideas from the "old grads." No doubt most of the boys have been keeping in close touch with "The Student's" work by being a regular subscriber and have noted with pride that its standards have been raising in all its departments, keeping apace with the rapid strides of all the affairs at Ohio State.

It occurs to me that "The Agricultural Student" enjoys the reputation (and justly so) of being one of the most influential and potent organs in the college of agriculture. Edited and managed by the students under the toning influence of the faculty, it affords a wonderful opportunity for the development of the creative powers of the students who have to do with its publication. It serves as a medium for the alumni to keep in touch with the work and affairs of the college and its many timely articles are instructive alike to the students, alumni and farmers of the state. Not only is the paper the oldest of its kind but easily holds a place in the first rank among the publications of its kind.

Since my connection with Purdue University I have kept in close touch with our paper, "The Purdue Agriculturist" by being a member of the faculty committee appointed to act as advisors to the staff. There is one rather fundamental difference between the Purdue and Ohio State papers, namely—That practically all the articles appearing in "The Agriculturist" are written by the students of the university, while many articles in "The Student" are written by older men, out of college that have had more experience. As a result the Ohio paper probably contains material of a stronger and more mature character while the Purdue paper probably represents a greater amount of benefit to the student body in that a larger per cent of the students actually contribute to the paper. Which plan is the better for the publication and its interests is a question, but, as a suggestion, I would ask if "The Agricultural Student" as a student paper, might not be changed somewhat in its policy so as to include a larger per cent of the students in agriculture among its contributors?

I wish to take this opportunity to congratulate the outgoing staff of "The Student" on the success they have met with in putting out such a high class publication during the past year and to wish the incoming staff all the success possible in their future undertaking.

Respectfully,

(Signed) H. E. ALLEN,

Assistant Professor of Animal Husbandry,
Purdue University.

The Training of the Leaders of the Nation

O. M. KILE

Morgantown, W. Va., May 8, 1914.

Dear Editor—It is indeed with unusual pleasure that I take advantage of your invitation to enroll myself among those who have in some measure helped to guide the destinies of "The Student" through its first turbulent score of years. When one looks back and notes the progress that has been made in the past decade, it taxes the imagination to fancy to what heights of influence and power "The Student" may attain in years to come. Whether it increases in size and beauty of make-up matters little. The significant fact is that it will appeal to a constantly widening audience of young men who are destined to be the nation's leaders in agricultural thought. The mere fact of this intimate relationship with the plastic minds of future leaders, amply justifies any required amount of toiling and digging and planning to make it the very best publication possible. I know of no other activity open to the student in agriculture that will yield greater dividends of instruction, business training, common sense, and pure joy than will a season spent in close co-operation with the editor and business manager of "The Student."

I hope I may have the pleasure of being present when "The Student" celebrates her **Fiftieth** Anniversary.

(Signed) O. M. KILE,
Extension Editor, W. Va. Agricultural College.

Place of the College Publication

B. A. WILLIAMS

Columbus, Ohio, May 16, 1914.

Dear Editor:—

During my sojourn at the Ohio College of Agriculture the attendance has more than doubled. This is as it should be, for has not agriculture in its many branches taken on new life and hope in these last few years? "The Student" is filling a much larger place under this new order of things than it was ever able to do before. The future presents an even greater field of usefulness than the present, not only in bringing students closer together, but for expression of a closer feeling between faculty and students. With other institutions where men are crowded together and hurried along there is loss of that very desirable personal touch, and the same is equally true of students in a large and growing agricultural college.

"The Student" fills another place in the college course which is entirely wanting in the curriculum. Most young men have their ideals and standards set before they enter college, and among them are many possessing a large agricultural outlook who find expression in "The Student" for those things worth while, regardless of their scientific classification.

In publishing a college journal those who are engaged in it find life, not as in school, but as it really is. The consideration of the economic is always before them for they must make ends meet. They learn to hustle and inci-

dentally rub elbows with business men, professors, men in public life and with busy farmers.

The fact that the earning power of the publication as an advertising medium is steadily increasing bears evidence that the standards of clean business and honest advertising are high.

There are three suggestions which I wish to offer regarding the policy of greater usefulness of "The Student" in the future. They are: enlarged usefulness in portraying student sentiment, better support by the old grads, larger circulation among prospective students of the college.

Very truly yours,

(Signed) B. A. WILLIAMS.

The Voice of the Student

S. R. GUARD

Chicago, Ill., May 25, 1914.

Mr. J. W. Henceroth,

"The Agricultural Student," Columbus, Ohio.

Dear Editor—Has the student a voice? Of course, almost every student has a voice with which to yodel 'neath a balcony on a moonlit eve, but what of the voice which may be heard in the councils of the doers of good? The cultivation of both sorts of voice is extremely important. The problem is to turn them into the proper channel for expression. This is on the justified assumption that any one who has sense enough to remain as a student in a great state university has sense enough to say something worth while at sometime or another.

There was a student once who was never able to open his mouth without getting his foot into it. But nevertheless, some of us like him all the better for not being so careful of his feet. There was no telling where his kicks would alight, but they usually caused a movement in a forward direction.

Voices were not given men to howl with. They were meant to be used in singing, or calling, or pleading, or explaining, or commanding, or whispering, but rarely for wailing. It is more important to each student himself as to how he uses his voice than it is to anyone else. He needs the training with the trumpet.

Some observer has been daring enough to measure the efficiency of a university by the amount of noise its students make. If he will qualify the "noise" he will be more nearly correct. Where there is noise there is at least movement.

That there is such a thing as a student talking too much no one who has had to listen will deny. The wise student will talk when he has something to say. So it is that he who is silent always must suffer somewhat of reproach.

Someone who thought he was smart once declared that a college should be run by its students without the faculty's knowing anything about it. This scheme would seem rather impractical in some institutions I know. But just the same the faculty wishing to impart the greatest degree of training will turn over responsibilities to the students on every possible occasion.

This discovery has recently been made and will be vouched for by the testimony of thousands. College students are not children; they are men and women and deserve to be treated accordingly. When educational institutions grow accustomed to such a viewpoint there will be no more of the careful distinctions between the "university" and "life." If college students are not adults, one of the requisites for matriculation was overlooked.

There is no more effective means for the student's voicing of his thoughts than through the columns of the college press. There is no more efficient training than work on the school publications. Whatever one intends to be he will have use for a trained "voice." Journals like our own "Agricultural Student" can supply a rare training and have done so repeatedly. If there are more valuable experiences than helping make a first-rank college paper they have escaped attention.

The effective worker out of college will have a voice unafraid, because he knows how to use it. That is why the Ohio College of Agriculture should have a course in agricultural journalism second to none. But journalism or no journalism there is a way for every student to use his voice effectively and worthily.

Cordially yours,
(Signed) S. R. GUARD,
Associate Editor "The Breeder's Gazette."



AGRICULTURAL STUDENT STAFF, 1913-14.

Back Row—Williams, DeVore, Will, George, Spanton, Bishop.

Middle Row—Piper, Rummell, Baker, Windau, Lewis, Zuercher.

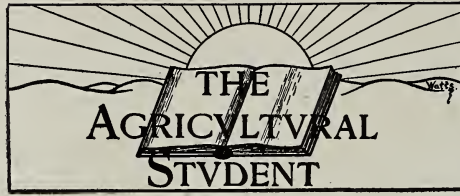
Lower Row—Smith, Perry, Walker, Henceroth, Henderson, Phillips, Wing.



NEW BOTANY AND ZOOLOGY BUILDING.



NEW HORTICULTURAL BUILDING.



OF
OHIO STATE UNIVERSITY

A MEDIUM FOR EXCHANGE OF IDEAS BETWEEN COLLEGE AND FARM

Published by the Students in the College of Agriculture.

Established 1894.

Subscription Price, One Dollar the Year.

Entered at the Postoffice at Columbus, Ohio, as Second-Class Matter.

STAFF.

J. W. HENCEROOTH, '14, Editor-in-Chief.
A. S. WING, '15, Art Editor.
F. E. PERRY, '14, Secondary Agr.
A. J. HENDERSON, '14, Business Manager.
F. H. PHILLIPS, '15, Asst. Business Mgr.

Associate Editors:
L. L. Rummell, '15. F. E. Piper, '14.
Tom L. Smith, '14. D. W. Williams, '15.
H. E. De Vore, '16. A. J. Bishop, '15.
Associate Business Managers:
C. J. Windau, '14. R. L. George, '16.

COLUMBUS, OHIO, JUNE, 1914.

Editorial

With this issue "The Student" passes the twentieth milestone of its journey through the field of journalism. Twenty years of struggles combining hard knocks with some pleasures in the hard school of experience have caused marked changes in the publication—changes in the size and form, in the tone and quality. To the founders of "The Student," must be given the credit of launching the first agricultural college publication in the United States. As they formulated the idea of such a paper, they did so with the feeling that students in an agricultural college can fulfill a purpose in bringing before the rural communities and to other students a publication that would be filled with the ideas concerning which they were studying and in which they were most interested. Since that time this pioneer in college journalism has upheld the same policy. It has supplied articles to lead the

farmers and stock raisers to modern methods coming as it does from the greatest source of such information—the agricultural college. To the alumni and students it has brought the news of the campus, and it has been a source of reminiscences and pleasures.

Hence, it is quite fitting that this year the last issue be devoted to the celebration of the twenty years of success that "The Student" has enjoyed; that an opportunity be given to the men who once directed the course of the paper to live over their old days on the campus. Most of these former editors and business managers have responded, and to them the management expresses an appreciation of their interest and loyalty to the publication and to the college. Only a few have been in such a condition that they were unable to send in a communication.

The student should read carefully the thoughts of these men who preceded us and study your conditions in com-

parison to theirs. Their ideas as given here are those of men who are now in the field of life. It behooves every agricultural student to study the opinions of these men on college activities and to reason from the causes to the results; to associate literary work with text books; and to follow the struggle of **your** paper as it journeyed through the narrow passes in the mountains of obstacles and difficulties to its present field of power and usefulness.

Great are the pleasures of friendship, but greater are the joys of renewing those **OHIO STATE DAY.** friendships after a period of separation. Every person may live with only a few close acquaintances, but to secure the greatest happiness in life one must surround himself with firm and warm friends. The warmest affections are those made in the early season of life when the bloom of youth is upon us and hearts are receptive to affectionate impressions. Then what joy thrills the soul as these friendships are renewed and the days of by gone years are remembered with former associates.

This is just the opportunity that is presented to alumni of the college of agriculture at **OHIO STATE DAY** this year. But there is an additional advantage. Students in the college today may gather and become acquainted with the leaders of agriculture who have gone out from our institution. Former students may become acquainted with each other and with the "rising generation." The reunion of all students and alumni of the college this year as heretofore will be held at the Ohio State Fair (Aug. 31-Sept. 5). The meeting place will be at the booth of "THE AGRICULTURAL STUDENT."

Come to the Fair, meet your friends, have the best time of your life, and boost for a greater Ohio. Watch for us, and we shall be waiting for you.

What changes have taken place during these twenty years! What stories might be written **AFTER TWENTY YEARS.** full of joy, pathos, sorrow, failure and success! Proud,

indeed, were the men who had a part in founding the first agricultural magazine in this country. They are living and actively engaged in the agricultural interests of the country today. We know many of them personally and the ideals, energy and enthusiasm of twenty years ago still stamp their work.

The men who guided the frail craft that carried "The Student" through these stormy and turbulent twenty years were men of steadfastness of purpose, of lofty aims and ideals. It has been a rare privilege to have been permitted to help in this work. Long and late hours and sleepless nights has been the price paid. Real work it takes to get out "The Student"—but with what joy did we examine each issue as it came from the press! How we worked, and planned with the funds at our command, to make each issue better than the preceding one! Now we lay down the work reluctantly. It is with a feeling of regret that we must turn the work over to others. However, we feel confident that the future of "The Student" is in good hands. With Leo L. Rummell as editor and Francis H. Phillips as business manager only good fortune can crown the work next year. May the future years be years of **service for the great cause of agriculture** is the wish of the retiring management.

There is scarcely any other one thing that will do more for the standing of a college than will **FELLOWSHIPS.** the granting of a limited number of fellowships each year. Why not have a few at Ohio State in dairying, animal husbandry, farm machinery, etc.?

Political, social, educational and agricultural interests and organizations seem to be permeated by a spirit of unrest. Men are not satisfied with conditions in politics, with the great political parties, or with the government of the city, state or nation. Many of our cities are adopting new charters and establishing entirely new forms of government.

The labor and social conditions threaten an upheaval. The educational system is being criticized, revised and remodeled with the idea of making it more effective, efficient and modern. The spirit of unrest is getting a great hold on agricultural interests. Our colleges, experiment stations, and state and federal departments of agriculture are endeavoring to alter their work, their teaching and their ideas in order to keep in touch and in harmony with this new development. Many are alarmed at such a period of unrest. Yet it is only natural that it should come. For years the teaching has been away from the old ideas, practices and customs toward a new field, a new life, a new ideal. The change is taking place and as is only natural that it is accompanied with a feeling of uneasiness and unrest.

Every change for the better is preceded by a period of turmoil and uncertainty. If the teaching and education of the age and the wonderful de-

velopment in science in the past decade means anything at all to the world it will finally bring us right. It is well to have periods of reckoning in agriculture—periods when men must stop and count the cost. Big problems call for real leaders to solve them. Out of this spirit of unrest will come a stronger people and at last a safer, saner and better agriculture.

The man of today is not satisfied with empty promises, vain babblings or useless theories. He **FACTS, FOOD, SUSTENANCE.** wants solid food, facts and figures. Yet much of the teaching of our schools, colleges, farmers' institutes, experiment stations, farm press, etc., is far from actual life. It lacks the punch of experience and actual life. Even with the rapid advances of the last few years there certainly is plenty of room left for improvement. Some people seem to believe that everybody and anybody can teach, advise and instruct others in the complicated theories of agriculture.

Men who cannot make good on the farm or in actual business are permitted to go into the class room and instruct our young men in the science and theories of agriculture. May the time soon come when our students will not stand for mere chaff in the class room. This is too fast an age, life is too short to give, think or accept anything but the best. May all our teachers, instructors, experiment station men, institute speakers and all others who are endeavoring to scatter information about agriculture in its many phases, soon come to realize this and either give us facts, food and sustenance or enroll in the school of experience where they may learn.

*Former Editors and Business Managers
of The Agricultural Student*

Year	Editor	Manager
1894-95	C. W. Burkett	F. P. Stump
1895-96	C. W. Burkett	J. F. Cunningham
1896-98	J. F. Cunningham	C. W. Burkett
1898-99	J. F. Cunningham	W. D. Gibbs
1899-00	V. H. Davis	W. D. Gibbs
1900-01	A. G. McCall	W. D. Gibbs
1901-02	V. H. Davis	W. D. Gibbs
1902-04	M. F. Miller	V. H. Davis
1904-05	F. L. West	V. H. Davis
1905-06	C. D. Hyatt	V. H. Davis
1906-07	E. J. Kitchen	J. C. White
1907-08	E. J. Kinney	J. O. Williams
1908-09	C. E. Snyder	H. E. Allen
1909-10	H. B. McClelland	H. R. Watts
1910-11	H. M. Call	E. R. Hurst
1911-12	S. R. Guard	G. G. Hayes
1912-13	O. M. Kile	B. A. Williams
1913-14	J. W. Henceroth	A. J. Henderson

New Staff for 1914-15

L. L. RUMMELL,
Editor-in-Chief

F. H. PHILLIPS,
Business Manager

Associate Editors

A. S. WING
D. W. WILLIAMS
A. J. BISHOP
C. M. BAKER

Associate Business Managers

R. L. GEORGE
H. W. ZUERCHER

WITH THE BREEDER

NOTES OF INTEREST AMONG THE FLOCKS AND HERDS

By a still greater record than that recorded in the last issue of "The Student" does May Rilma, the Guernsey cow owned by the Chesterbrook Farm in Chester County, Penn., stand out as Champion Dairy Queen of all breeds. She finished her test April 8, 1914, with 1,059.5 lbs. of butter fat, but since she was producing more fat the thirteen month than she did the first, the test was continued with the result that she now has a record of 19,673 lbs. milk and 1,073.41 lbs. of butter fat in 365 days. This record exceeds that of her nearest rival, Banostine Belle De Kol, by 15 lbs of fat. At the time of freshing she was in poor condition and did not come to her full milk flow until the second month.

The Agricultural Commission is making a vigorous fight through Attorney General Hogan for an interpretation of the new law which will prevent the importation into Ohio of any dairy or beef animals for breeding purposes, without an examination of the cattle for tuberculosis. Certain dairy and stock yard men near Cincinnati are fighting the law and protested to Gov. Cox stating that the animals which should be used for immediate slaughter should not be tested. The Commission proposes that the law include all animals, but for the present the governor has granted a stay in order that the law may be tested in the court.

One of the largest Holstein sales in the state was that of T. L. Russell of Geneva. He sold recently 100 head of pure-bred animals at an average price of \$282.00. The herd bull, Maplecrest De Kol Ogden, now two years old, sold for \$2,600 to Flanders Bros. Mr. Russell has sold his farm and quit the Holstein cattle business at least for the present. He has been one of the most enthusiastic breeders in the state and has been a great force in establishing the black and whites in this section.

T. S. Cooper, one of the greatest importers of Jerseys in America, held his annual Decoration Day sale at Coopersburg, May 30. There were 160 head of various ages in the sale and these were the cream of Island stock. Many of the cattle sold were also of Register of Merit breeding.

A new record for a yearling has been established by the Jersey cow, Lucy Farce, owned by the International Correspondence School of Penn. She produced 14,260 lbs. of milk and 634.45 lbs. of butter fat in one year. She was stabled the entire year and was milked three times a day, but otherwise received the same treatment as the other cows in the stable.

An association in Ohio which is doing a great amount of work for the dairy interests of the state is the Wino-

na Cow Testing Association of Columbia County. Records of cows in this association have been kept and show that the average has been raised above that of this section heretofore. Recently a meeting of Jersey breeders in this region was called at Salem where addresses were given by M. L. Baker and C. C. Hayden of the Experiment Station. Officers were elected for a permanent association.

This year \$35,000 will be divided at the Columbus races (Sept. 21-Oct. 3) as follows: \$10,000 for the 2:14 trotters; \$5,000 for the 2:12 trotters and 2:13 pacers; \$3,000 for the 2:07 and 2:08 trotters and 2:10, 2:06 and 2:05 pacers. Entries in the Grand Circuit are reported as lighter than they were last year. North Randall, Detroit, Grand Rapids, Kalamazoo, and Pittsburgh are the first five meetings in the circuit.

Improvement of farm methods of handling wool, the manufacturing value of American wool, standardization

of the wool clip, and the prevention of damage by dogs and predatory animals will be among the subjects discussed at the public conference of persons interested in the sheep and wool industry, held at the call of the secretary of Agriculture in Washington, June 2-4. Repeated complaints have been made by the wool manufacturers against the American system of handling the wool clip in consequence of which about 5-20% of the value of the wool is lost. In some sections there is a loss of 10% of the sheep and lambs by predatory animals. The dog question will be one of the important subjects discussed at the conference.

The last day for the rooster is June 6th according to the request of the Ohio Agricultural Commission. Since infertile eggs produced in flocks where there are no males are the only kind that will keep in the hot summer months, the Commission has called upon the farmers to set aside this day as "Rooster Day" when they should dispatch all the gentlemen of the flock.



Their various cares in one great point combine—
The business of their lives, that is—to dine.

—Courtesy W. H. Robbins.

—Young.

Secondary Agriculture

Devoted to the Interests of Agricultural Education in High and Common Schools

Now is the parents' opportunity. They have the privilege to get more work from the school children and even more than that, to teach them things that only parents can do best. It is the only season of the year when the parents are with the children all the time. Things are growing and farm life is in its greatest activity. The children see farm life for what it really is. They experience its duties and its pleasures and thus mold likes or dislikes for this kind of life.

Now that all other influences except the home and the farm are shut off it is the duty of the parents to spend a little time with the children in thinking of and planning the pleasures and the work. Let the parents help them with their crop growing contests and be willing to show them some of the things which experience and hard knocks have proven. Let them prepare and plant a corner in the garden, a few rows in the corn field or a patch of potatoes. There is everything for them to gain and little for them to lose. It is an excellent opportunity to put the brakes on the flow of the country youth to the city.

A comparison of the country youth with the city youth is found in the May issue of "Rural Manhood." The subject of the article is "A Study of Rural Youth in Teen Age," by Albert L. Anderson. In answer to a number of letters sent out Dr. Anderson makes the following summary:

"Country boys and girls mature slowly; they are physically strong; they are thoughtful and stable in character; they are less restless and nervous. But they may be timid; moody through isolation; awkward physically and socially. They are self-reliant, resourceful and individualistic, but reverent, religious and easily guided. They are more romantic, more idealistic, more conscientious. They are defective in culture, but superior in things fundamental. City adolescence have more self assertion and more conceit." He goes further and says "Rural adolescence is specially promising by reason of the open mind and the idealistic spirit."

Since the country youth quickly takes up the ways of the city it seems that in the long run they have an advantage over the city youth.

"When school doesn't keep" the summer finds the teacher a different person. His vocation demands that he shut the school room doors during the warm summer days and tear himself away from things in which he is most interested. The pupils need a change and all of them should be in a position to enjoy the fresh air, the babbling brooks and the fragrant breezes. For them to study would be impossible. Even men's minds are not as alert during the warm sultry days. It is the time for exercises out of door living and work.

Teachers of Agriculture

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Prof. Bricker

For several years to come, the teachers of agriculture in the elementary and high schools will be drawn from three distinct sources: namely, from the teachers of nature-study in the grades, from agriculture college graduates, and from the science teachers of the high schools. Each of these classes of teachers is prone to certain mistakes, which will be indicated below, in the hope that the liability to err in these regards may be anticipated and guarded against as much as possible.

The nature-study teacher is apt to carry her methods of instruction bodily into the teaching of agriculture. Notwithstanding what has been said by some writers as to the desirability of this, such a procedure is a grave error. The nature-study teacher instructs with no idea of building the lessons taught into parts of a great science; the teacher of agriculture should not only do this consciously, but should also bring the pupils to this realization. Lessons in nature-study very often have aims and ideals other than economic but, with very few exceptions, the predominating aim in a lesson in agriculture will be economic. The methods of approach in nature-study are idealistic, often beginning with a story, a guessing game, a novel sight or experience, and ending with a satisfaction growing out of the mental condition—knowledge, reflection, wonderment; the

method of approach in agriculture is materialistic, frequently beginning with the commonest farm object or experience, and resulting in a job and bank account. The nature-study of today as known in the formal education of American children is a subject that has become intimately associated with the primary and lower grammar grades. It is taught by methods necessary in the teaching of little children. The boys and girls of ten to fifteen years are quite different in their instincts, their experiences, their motives, and their development, generally, from the younger group. This is eminently the age of the boy scout and the campfire girl. Desires of physical prowess, shrewd outwitting, and economic gain are very prominent characteristics displayed by these youngsters. The methods used in teaching these young people must take account of these things. The utilitarian attitude, which shows the "use" of the subject; the industrial method, which exercises the muscles as well as the brain; the economic result, which repays efforts and satisfies worthy desires will be employed by the wise teachers of pre-adolescent and adolescent children. Perhaps there is no other subject with which these principles of teaching can so well be used as with agriculture. The nature-study teacher, to become a teacher of agriculture, must not forget to readjust her methods and aims; she will recognize the new piece of human nature that she is to teach; and must not fail to select new materials and organize them on a new basis for instructional purposes.

The agricultural college graduate in-

variably has his troubles. These arise from three distinct sources: First, he does not understand children. Association for a period of four or more years with adults has given him the point of view in education in which only matured minds, bodies, experiences, and lives have entered. He needs to realize that the pupils in the elementary and high schools are immature, untrained, and inexperienced. The driving home of this realization is frequently too long delayed. In the second place, the graduate or student of the agricultural college knows nothing about teaching methods. He knows the subject of agriculture, but not the child. The abundance of the knowledge that he emits falls like a cataract down over the heads and lives of the children who come out with the realization that there has been a flood, but with scarcely any evidence of moisture. A knowledge of the science of teaching and the ability of applying it in practice are quite as essential in securing efficiency in education as a knowledge of the subject taught. One would judge that this type of teacher should acquire some knowledge from his professors and practice these by imitation; but unfortunately training and ability in teaching are not sufficient cause to exclude learned men from the active teaching staff of our colleges and universities. Third, while the agricultural college graduate may know his subject thoroughly, he does not know what to omit or include in teaching it to the pupils of the public schools. He has gathered a fund of agricultural knowledge with the intention of using it on the farm and not for instructional purposes. His knowledge has not been "educationalized." He does not know the philosophy, nor the science, nor the art of education; and never having been taught either by

precept or example, why may we expect him to understand or to successfully practice the teaching business? If he has been trained to be a farmer, a farmer he should be. One of the chief economic wastes in our educational system arises from the blunders of those who do not understand the business of education and teaching.

The high school science teacher seldom holds the proper attitude toward the subject of agriculture, especially if his training has been in the usual college sciences other than agriculture. Except in the engineering colleges and the trade schools, science is seldom taught as applied. The majority of college graduates, therefore, know only pure science, while agriculture, insofar as it is a science, is an applied science. The attitude toward agriculture as a science should be industrial, not cultural. But agriculture is more than a science: it is also an art and a business. The science graduate will not have had any training in the art nor the business of agriculture, and, therefore, cannot be regarded as having had adequate preparation to teach a subject two-thirds of which he knows little or nothing about. If the average science teacher is permitted to teach the agriculture of the high school, the result can only be that the pupils will have only a partial view of the subject. There is another very serious error into which the science teacher is liable to fall, and this has reference to the methods that he uses in the teaching process. He will, in all probability, through his practice teaching of science have acquired the pure science method of approach. Pure science methods, however, are not applicable to the teaching of agriculture without important modifications. There are two fundamental reasons for this: first, because the sub-

ject itself is largely an applied science; and second, because the pupils of the public schools capable of receiving intelligent instruction in this subject, are more readily appealed to and taught by the applied science method of instruction. The most important thing in teaching facts and principles in agriculture is that the young men shall understand their application to farm practice. There is little excuse for teaching anything in agriculture to country children without also teaching its application to the life and work of the farm. The only exceptions to this rule would be in the cases of the girls who may never be called upon to assume any of the responsibilities of farming operations; and the pupils in city schools, who will have a limited

field for the application of the facts and principles of agriculture, but, nevertheless, should as a matter of culture know something about agriculture. In view of these various handicaps, the science teacher is apt to view the subject of high school agriculture unsympathetically.

The question naturally arises here, From whence will come our best new teachers of agriculture in the future? In the opinion of the writer, they will come from the **agricultural education departments** of our normal schools and agricultural colleges; and by this is meant those departments that give definite training in the theory and practice of teaching the subject in all classes of educational institutions including the elementary school and the college.

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Out of the night that covers me
 Black as the pit from pole to pole,
 I thank whatever gods there be
 For my unconquerable soul.

In the fell clutch of circumstance
 I have not winced or cried aloud
 Under the bludgeonings of chance.
 My heart is bloody and unbent.

Beyond the place of wrath and tears
 'Tis but the bank of the shade;
 And yet the menace of the years
 Finds, and shall find me unafraid.

I do not care how straight the gate,
 How charged with punishments the scroll,
 I am the master of my fate,
 I am the captain of my soul!

—Wm. E. Henley.



**WHERE THE SENIORS WILL BE
NEXT YEAR.**



J. H. Allen will engage in live stock farming at Kenton, Ohio.

J. L. Barnhart will teach manual training and be coach of athletics at New Philadelphia High School, Tuscarawas County.

S. W. Bauchmiller will teach agriculture in high school at Preston, Minn.

E. A. Baumiller will manage the home farm at Nutwood where he will make a specialty of producing extra fancy butter.

W. A. Bausch will take up dairying and creamery work near Cincinnati.

R. C. Bish recently passed the civil service examination for city milk inspector and expects to take up this work at Dayton.

F. L. Bowser expects to take up field work for the Helgatia Milk Condensing Company.

E. H. Bretschneider will engage in pharmacy and expects to take work in school along this line.

O. F. Boyd will teach chemistry at Wilmington College.

R. R. Buchanan will teach agriculture at Brown's Valley, Minn.

L. H. Burgwald will become manager of the "Morian Farm" owned by the National Cash Register Company at Dayton. He will have charge of the production of certified milk, soft cheeses and fermented milk used in the lunch rooms of that company.

F. S. Busby will manage the home farm near Lancaster.

V. B. Ditrick will manage the home farm of 460 acres near Williamsport.

R. P. Dowler will manage a 1400 acre plantation near Shreveport, La. H

will grow cotton and will also introduce some of the northern ideas on general farming. He will leave July first.

L. D. Campbell expects to manage an 800 acre stock farm near New Castle, Pa. Pure bred Holstein and Short-horn cattle and Percheron horses are the specialties on this farm.

L. W. Durrell expects to manage a 500 acre farm owned by his father near Mackinaw, Mich.

H. F. Ehlerding will become manager of the "Small Farm" near Dayton where he will devote his attention to the raising of pure-bred Berkshires.

H. Eichhorn will manage the home farm of 50 acres near Cincinnati.

C. C. Ensign will engage in general farming on the home farm near Bryan, Ohio.

R. L. Fedderson expects to take up dairy and horticultural work.

P. Geiger will engage in general farming at Hebron, Ohio.

D. W. Griffin will be head of the soils and agricultural engineering department at Ewing Christian College, Allahabad, India.

V. R. Haber will be an assistant in the zoology department at Ohio State.

J. C. Hale, W. Holdson and F. H. Herzer expect to take up dairy work.

C. B. Harpster will be bacteriologist in the laboratories of the Moores and Ross Milk Co. of Columbus, Ohio.

J. W. Henceroth will be in educational work with the Middle West Soil Improvement Committee.

A. J. Henderson will continue in the capacity of Manager of the Columbus Letter Co.

E. G. Hibbs will teach agricultural engineering and zoology at Minnesota State High School at Albert Lea, Minn.

K. D. Hirn will teach agriculture at Lafayette college this summer.

A. B. Johnson will take graduate work at Ohio State in zoology and entomology.

A. P. Jones is teaching at Alliance High School.

E. F. Kirkendall expects to enter the government service.

M. King expects to engage in real estate work at his home town of Chardon.

G. Little will be coach of athletics at the University of Cincinnati.

H. R. McAnall will breed Percheron horses on the home farm at Iberia.

W. C. McQuiston will take a master's degree in agriculture at Arizona where he will specialize in irrigation work preparatory to taking up work in India.

R. L. Marsh will manage the home farm of 80 acres near Kent.

W. G. Meekstroth will be with the Wildi Milk Co. at Marysville, Ohio.

D. S. Myers is teaching agronomy at Kentucky State University.

H. W. Nisonger will be on the home farm this summer but expects to teach next year.

F. E. Piper will go back to the home farm at Ashtabula.

T. O'Mara has obtained a fellowship in animal husbandry at the University of Illinois, and will continue his work at that place.

F. E. Perry will leave in June to take up soil survey work with the Ohio Experiment Station. Portage, Paulding and Trumbull counties are to be surveyed this year.

G. C. Peters will manage the home farm of 270 acres near Groveport, O. He will specialize in hogs and baby beef.

G. D. Norton expects to have charge of the dairy interests of a large farm near Mansfield, Ohio.

B. E. Pontius, M. D. Helser, H. C. Baumgardner and R. Q. Smith expect to teach animal husbandry next year. Others who will enter the teaching profession are H. Rogers, T. L. Smith, W. R. Sunderland, B. H. Repp, A. R. Turner, W. I. McCann and A. B. Wilson.

E. P. Reed will be assistant agronomist at Geneva Exp. Station, N. Y.

A. H. Richenbacher will farm in Chioigen County, Mich.

C. H. Riggs, a member of the Student Volunteer Band, will take work on a B. A. degree at Ohio State preparatory to going to the foreign field.

C. L. Rose will try his luck on a small tract of a 1200 acre farm owned by his father in Cuba. Fruit growing will be his hobby.

C. F. Salt will continue doing city recreation work at Columbus, Ohio.

G. P. Samman will travel this summer in the interests of the American Portable Seating Co.

G. B. Sawyer will continue inspection work at the Kentucky Experiment Station.

C. E. Schieb expects to become manager of a 750 acre farm near Akron.

P. L. Sharritt will engage in stock raising on the home farm near Germantown.

A. S. Shebanek will condense milk for the Western Reserve Milk Condensing Co., Hillsdale, Mich.

J. Slipher is now teaching soils at Purdue University.

W. G. Smith is farming in co-operation with his uncle at Spiceland, Ind.

C. R. Stoner will engage in dairying and the breeding of Guernsey cattle and Duroc-Jersey hogs on the home farm near New Berlin, Ohio.

T. B. Steele will visit the southern states this summer with a view of purchasing a farm.

H. R. Stillman will engage in dairy farming on the home place at Andover, Ashtabula County.

C. H. Stokes will manage his father's fruit farm of 400 acres near Fremont.

V. Tapke, who was married in May to Miss Laura Gallagher of Frederick, Md., will take up retail tobacco business at Baltimore, Md.

T. B. Tracy will manage the home fruit farm of 110 acres at Euclid, O.

J. F. Walker, who finished his work in February, is farm manager and teacher of agriculture at Quaker Boarding School at Westtown, Pa.

W. L. Williams is going back on his father's farm of 440 acres near Wilmington, where he will practice general live stock farming.

G. "Red" Trautman will be instructor and director of athletics at Fostoria High School.

C. J. Windau will return to the home farm of 135 acres near Sandusky where he will take up dairying and the breeding of Guernseys.

F. Winkler has a fellowship in botany at Ohio State.

J. L. Yoder, who finished school work the first semester, is engaged in live stock farming on the home place of 165 acres.

Horticulture.

R. W. Jordan will manage the home farm near Creston where he will make a specialty of celery and onion culture.

K. W. McDougall and H. C. Kelly have rented a 50 acre orchard near Circleville, Ohio.

W. G. Kesler and R. S. Dietz are operating a 40 acre orchard of apple, cherry and plum trees south of Canal Winchester, Ohio, and expect to be located there next year.

J. H. Longbon will manage the home farm at Valley City, Ohio.

Mrs. H. C. Lovejoy will take a trip to Alaska this summer.

R. J. Hough expects to engage in lumber business.

J. E. Jones will be employed in one of the western forest reserves.

J. P. Wilson will manage a 200 acre farm at Annapolis, Md.

These are the best days!
 Stars were never brighter,
 Hearts were never lighter,
 Songs of birds and rippling brooklets
 Never were more sweet;
 There were never fairer flowers
 Than those at our feet
 In these fair days, these rare days,
 The best days of all!

—Clark



—Courtesy Extension Dept.

June News Notes

THE OHIO STATE FAIR.

A Challenge.

Winning a prize at Ohio State Fair is a sure sign that a real live citizen is getting home from third base.

When the honors of the show ring are given to an animal its owner is in the king row of good breeding.

When the Blue Ribbon of merit is laid upon the finished products of skill, toil and soil, somebody has gotten upstairs in their business.

The State Fair shows result of mixing brain with sweat.

Finding four-leaf clovers and horse-shoes may be omens of good luck, but winning State Fair premiums is a surer road to profit.

A State Fair prize winner votes before noon on election day.

The State Fair booster will give a dollar to any good cause.

The State Fair builder would rather see Santa Claus than a king.

A good State Fair man will return the dollar he borrows from his wife.

State Fair visitors are seldom pale or emaciated. They are red blooded and at quick-step.

He, who in his own good way helps

to build a great Exposition, is laying brick and stone in the walls of a greater state and a greater nation.

The State Fair is the trophy field on which can be laid the results of teaching, preaching, experiment and experience.

How many agricultural students dare enter the arena of peaceful battle and by their success or failure be measured by what they do?

The water's fine. Dare you take the plunge?

A. P. S.

CHANGES IN THE FACULTY.

Nearly fifty promotions have been made in the faculty of the university, among which are many in the agricultural college. The agronomy department has been divided into two divisions: the agronomy and the agricultural engineering departments. Prof. H. C. Ramsower will be in charge of the newly created department of agricultural engineering and F. W. Ives of the department of engineering drawing, has been transferred to become instructor under Prof. Ramsower.

Prof. A. G. McCall has been granted a leave of absence for next year and

will travel abroad in the interests of his profession, spending most of his time in Germany. Forrest Stemple, a graduate of West Virginia and Wisconsin Universities, will have charge of the instructional work.

Prof. George Livingston, who is now traveling in Germany making a study of field crops, will be acting head of the agronomy department during the absence of Prof. McCall. Prof. Livingston is now working out a course in crops for the students in the three-year agricultural course for next year. M. F. Abel, a graduate student at Cornell University, has been appointed graduate assistant in Field Crops for next year.

Malon Yoder, M. S. '14, will take a position in the grain standardization work in the U. S. Dept. of Agr. at Washington on July 1. In the recent Civil Service examination he received the highest grade of any applicant in the United States.

T. D. Phillips, of the rural economics department, has been given the rank of assistant professor and superintendent of the university farm, his appointment to take place July 1.

Prof. J. F. Lyman, of the department of agricultural chemistry, has been promoted from associate professor to professor. Two new instructors will be appointed in this department at a future date.

T. G. Phillips, of the same department, will do graduate work in chemistry at the University of Chicago during the summer.

Among the other promotions in the college of agriculture are the following: D. J. Kays, of the animal husbandry department, Vernon H. Davis and L. M. Montgomery, of the horticultural department, have been promoted from assistant professor to the rank of

professor. William Hislop, J. R. Wiley and Gilbert Gusler, of the department of animal husbandry; W. G. Stover, of the botany department, and R. B. Stoltz and W. L. Clevenger, of the dairy department, have been promoted from the rank of instructor to assistant professor.

Miss Mina C. Denton has been appointed professor in home economics.

Walter C. O'Kane, for the past four years connected with the agricultural experiment station and the University of New Hampshire as entomologist, has been elected Professor of zoology and entomology and will take up his duties this fall. He is a graduate of Ohio State in the class of '97 and is the author of a text book on entomology.

C. J. Drake has been promoted from fellow to assistant in zoology.

Provision has been made for a professor in Farm Management in the rural economics department but the appointment has not yet been filled.

Prof. C. S. Plumb who is now spending the year abroad on leave of absence, will return to take his position as head of the department of animal husbandry this fall.

William Hislop has resigned his position in this department to become head of the animal husbandry department of the agricultural college of the state of Washington at Pullham. He will also have charge of live stock work at the Washington Experiment Station.

COUNTRY LIFE WEEK.

Country Life Week will be held for the first time at Ohio State University this summer, August 10 to 14, for the purpose of giving the rural ministers of the state and others interested in rural life problems an opportunity for

conference and instruction as it will be given in a well arranged program of agricultural, sociological and religious talks. The conference is receiving the support of many religious bodies and organizations in the state.

Making county agents out of our rural ministers has been tried without success in some places. However, it is thought that ministers would like to come in touch with the fundamentals of practical agriculture and to confer with one another as to the scope of this kind of work.

The program for the week will be presented in three sections. First, the subject of better farming will be presented by the faculty of the college of agriculture. These lectures will begin at 8:30 each morning and continue two hours. They will be on such subjects as soil fertility, permanent and economical farm buildings, the American trotter, spraying, and crops. Professors A. G. McCall, H. C. Ramsower, Alfred Vivian, Donald J. Kays, and V. H. Davis will be on the program. Second, the subject of rural sociology will be taken up in lectures at 19:30 and 2:30. These will be given by well known men of Ohio and several other states, including Dr. W. O. Thompson, Paul Vogt, of Miami University, Dean H. C. Price of the college of agriculture, B. R. Ryall, secretary of the state Y. M. C. A., and A. B. Graham, superintendent of agricultural extension work in Ohio. The third division of the program will be a series of talks by country ministers who have accomplished something of practical value in their communities.

Evening meetings will be held at 7:30. At this time, five interesting lectures will be given. Prof. Alfred Vivian will give his illustrated talk on "Life in the Holy Land." "The Rural

School and the Community" will be presented Tuesday evening by F. G. Blair, superintendent of public instruction in Indiana. Mrs. Virginia Meredith of Cambridge City, Maryland, will talk on "Women's Work in Community Betterment." Rev. A. B. Storms of Indianapolis will speak on "Church and Progress." The last lecture on Friday will be given by Rev. Silas E. Persons on "The Regeneration of a Community Through the Church."

THE OHIO STATE HORSE SHOW.

The Ohio State Horse Show held on the university campus May 9, surpassed all those of former years both in attendance and number of entries. Nature seemed to have a peculiar interest in this event and brought to the ringside a record crowd of over 2000; while "old Sol" smiled graciously down upon the beautiful equine display. Never before had so many high class individuals competed for the coveted cups and ribbons. Professor E. A. Trowbridge of Missouri had no small task in sifting out the winners but made prompt and favorable decisions. The university band added to the success of the occasion, and a lively interest was manifest from the first bugle call until the final championship honors were awarded.

Among the more important winners of the silver cups were the following: Fernleaf in the trotter class, Montgomery Boy among the gaited stallions, Indian Princess in the combination saddle and driving class and in the ladies' mounts, Senator Cummins among the saddle horses and the gaited horses. These animals brought 7 of the 14 cups to A. C. Long of Delaware. The hunters attracted great attention this year. The silver cup was finally awarded to Dr. Harry Brown who is

the owner of Mr. Jorricks. The program closed with the awarding of the championship cup in the saddle horse class to Connoisseur, owned by F. P. Mitchell.

Junior club work and the establishment of county experiment stations will be emphasized in the summer work of the Ohio Agricultural Commission. It is expected that 15 to 20 counties will vote upon the establishment of a county agent in connection with a county experiment station. Apple and corn growing, lawn improvement, and baking and sewing contests for the youth of Ohio will receive great consideration at the summer meetings of the Commission.

One girl from every county in the state will be given a week's instruction in Home Economics at the university this fall. The first prize in the girl's contest will be a free trip to Washington; this visit to the university the first week in November will be an additional prize in the contests, probably to the second winner. All the expense of the 88 girls during the week will be borne by the Agricultural Commission. Others may come for the same instruction at their own expense. It is thought now that some counties will send more than one girl and will bear the expense.

Director A. C. True and C. B. Smith of the office of Experiment Stations of the U. S. Dept. of Agr. at Washington, D. C., who are to have charge of agricultural extension work in the northern states, recently held a conference with the representatives of the university, the Agricultural Commission and the Experiment Station in reference to plans and policies for the ex-

penditures of the appropriations becoming available under the Smith-Lever bill.

Joseph E. Wing of Mechanicsburg, Associate Editor of The Breeder's Gazette, has been appointed Trustee of the university by Gov. Cox to succeed W. J. Sears. "Joe" Wing is one of the greatest enthusiasts on modern agricultural methods and especially on alfalfa, in the country today. Many articles come from his pen in the Gazette as he travels over all sections of the country. During his term as trustee the best action may be expected in the interests not only of the agricultural college, but of the whole university.

A petition has been sent out to the Board of Trustees to place a "blanket tax" of five dollars on the fee card of all students next September for the support of athletics. This tax will give the students admission to all athletic events of the year. Petitions were circulated May 13-15 among the student body and about 80% of the students signed them for the tax. It now remains to meet the approval of the Board of Trustees.

On account of the large number of city farmers taking various agricultural courses it has been deemed advisable to require actual farm practice for degrees. This movement was approved at the last meeting of the Association of American Colleges and Experiment Stations. In accordance with this belief Dean Price of the agricultural college has appointed a committee of the faculty to report on the advisability of making such a requirement. This committee consists of Professors Vernon

H. Davis of the horticultural department and D. J. Kays of the department of animal husbandry. It is thought that the committee will report favorably since the plan has been adopted in several of the other large agricultural colleges.

Friday, June 12, is the date set for the annual trip to the Ohio Agricultural Experiment Station at Wooster by the students of the college of agriculture. The train will leave the Union Station at 6:00 A. M. and returning, will leave Wooster at 6:00 P. M. on the same day. This year the students making the trip will be divided into sections according to their courses of study; viz., horticulture, agronomy, animal husbandry, and soil fertility. Each of these sections will be in charge of its respective official at the station and the whole day will be devoted to those experiments which relate to the work of those sections. The popularity of the trip in former years has made it an annual event.

The Veterinary College is the possessor of a freak in the form of a month old Shorthorn calf having its heart outside the chest cavity and in the neck. The specimen was sent by C. B. Perkins, D. V. M., '12, of Centerburg, O. Dean D. S. White of the Veterinary College says he has seen three calves with this condition of exo-cardia, one of which lived to be three years old. The calf was in good health when received and was kept about a week when it was killed and embalmed. The classes in Veterinary medicine will study the anatomical parts and the results of their findings will be published in the Veterinary Quarterly.



"The chances are increasing every day for the agricultural graduate on the farm" said W. A. Martin, '05, in his address before the May meeting of the Agricultural Society. Mr. Martin was one of the founders of this society at Ohio State, and is now engaged in dairy farming at Kenton in Hardin County. His remarks were sincere, practical and inspiring. A strong appeal was made to the agricultural graduates who are not afraid of work, to accept farming as an occupation for life. "Success does not necessarily come to a person for simply having attended college, but your diploma is just what you wish to make it," said Mr. Martin.

The U. S. Dept. of Agr. invites all bird lovers of the country to co-operate in taking a bird census this summer. The object is to determine how many pairs of birds of each species breed within definite areas. Then by comparing this census with subsequent censuses it will be possible to ascertain whether the present state and federal laws are effective and birds increasing or diminishing in numbers. Observations will be taken during the month of June.

Practical observation of the rural church is the feature that has been carried out by the class which has been studying the problems of the country church for the past year under the direction of Rev. Ira G. McCormick. The class recently made a trip to Walnut Hill church about ten miles south of Columbus where they visited the Bible school and church sessions.

Samuel Higginbottom, '11, of Ewing Christian College, Allahabad, India, expects to spend the summer in America and will arrive at New York in time to attend the commencement exercises at Ohio State in June. He wishes to obtain more funds to further the agricultural conditions and education in India.

A Berkshire gilt of one of the most fashionable lines of breeding has recently been purchased by the animal husbandry department from N. H. Gentry of Sedalia, Missouri. Mr. Gentry has done much to bring the Berkshire back to popularity in the U. S. Three Aberdeen-Angus yearlings have been purchased from Byron Hawley of Woodstock, Ohio. These animals will be used for class judging.

HORTICULTURE.

The past year in the horticulture department has been deemed the most successful year in the history of the department. Despite the fact that laboratory facilities have been rather inadequate in the temporary quarters occupied by the department this year, more actual work has been required of each student than in any year previous. The library and research work in connection with pomology, vegetable gardening and landscaping exceeds that re-

quired by any other department in the University. The inspection trips which have been indulged in the past year have given a very practical aspect to horticultural studies. From every phase, the work done by the undergraduate students has brought forth much deserved comment.



If the University orchards may be used as a forecaster of the general outlook for the fruit crop in this locality, it can be said the outlook for a full crop of apples is not so encouraging as it was a month ago. The blooming has been noticed to have been rather erratic and in some instances no fruit has been set. Only a fair crop is expected here. The same is true of the cherry crop as the trees have not set as much fruit as previously. The lowered cherry crop may be attributed to the cold weather during blossoming time and to the exceedingly heavy crop of last year. The peach crop may be termed a total failure and only in the higher localities is there any appearance of a yield.

The annual landscape-gardening trip to Dayton has been arranged for the latter part of May. Through the kindness of the National Cash Register Co. a large body of students, interested in land-scaping, become their guests each year in the way of studying the methods used on their grounds and the country places of that region.

Eight men in company with Prof. L. M. Montgomery of the department of horticulture, took the May market garden inspection trip. The more important truck farms and greenhouses in the vicinity of Toledo, Cleveland and Ash-tabula were visited and the present day methods studied.

Professor Wendell Paddock has been asked to judge the New Hampshire State Apple Show which will be held next October. The New Hampshire show is always one of the best in the country although it is smaller than the Ohio show. Special emphasis will be placed on efficient methods of packing at the New Hampshire show this year.

The roof of the new Horticultural building is in process of erection and the interior work has been commenced. The greenhouses are to be erected during the coming summer and at last Ohio can boast of one of the best equipped horticultural buildings in the land.



A GLIMPSE OF THE HORSE SHOW.

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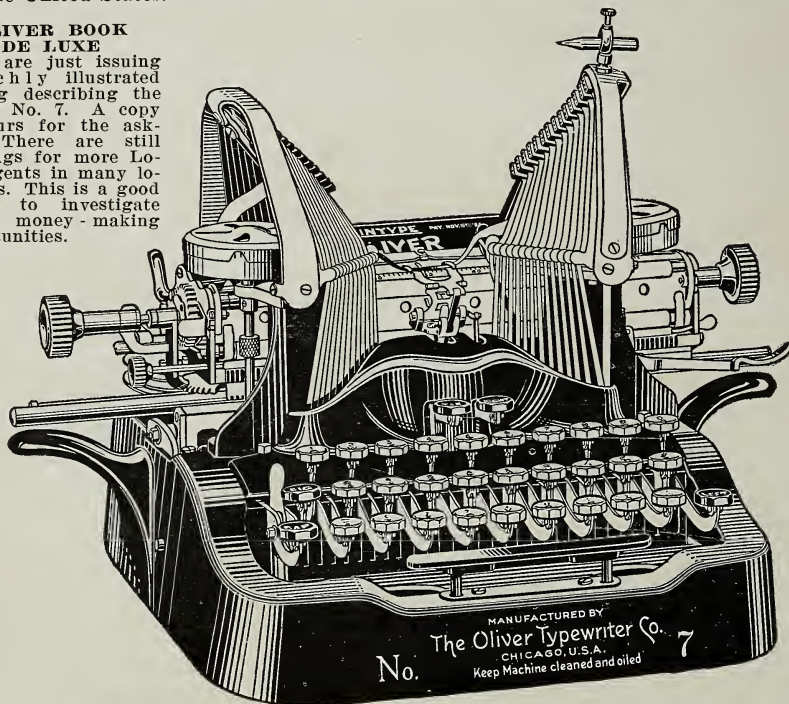
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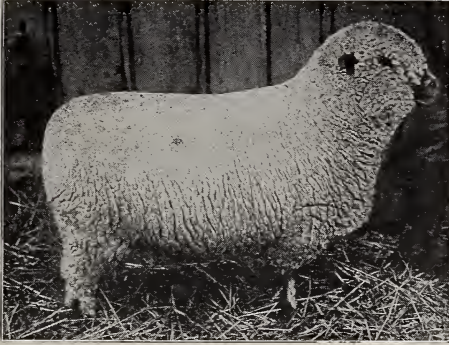
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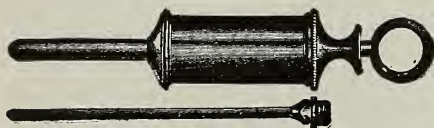


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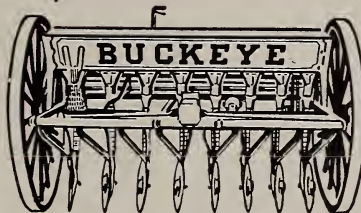
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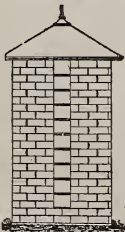
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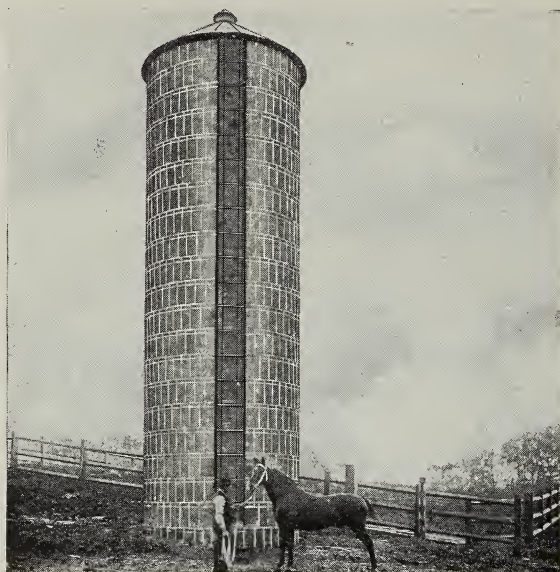
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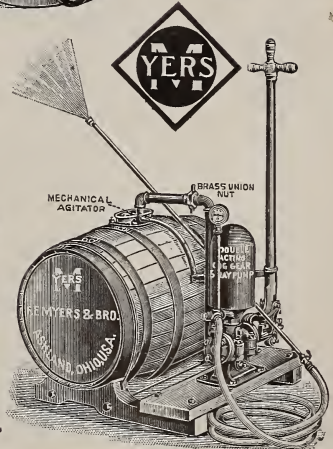
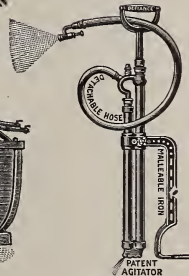
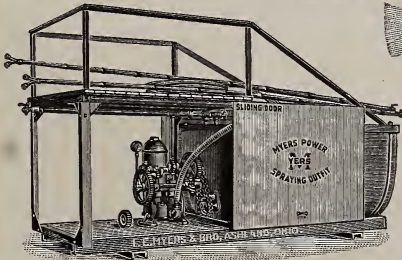
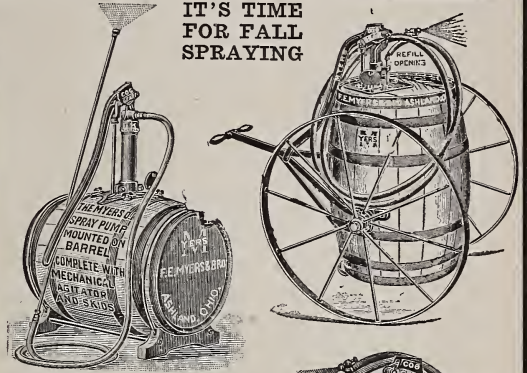
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FOR FALL
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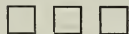
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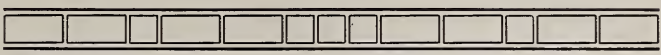
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The Highest Price—The Quickest Pay.

One day from Milk Pail to Pocketbook when shipping
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"BETTER BUTTER"

(Just what the name implies.)

You will never use any other brand after you have tried
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PASTEURIZED BUTTERMILK

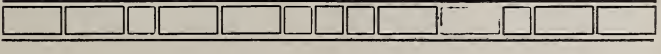
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IT DOESN'T TAKE AN EXPERT knowledge of mechanics or a long working test to tell the difference between the De Laval and other cream separators.

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IF HE WILL GO A STEP FARTHER and turn the cranks of the two machines side by side for half an hour, particularly running milk or water through the bowl, he will see still more difference.

AND IF HE WILL TAKE THE TWO machines home, as every De Laval agent will be glad to have him do, and run them side by side in practical use, the De Laval one day and the other machine the next, for a couple of weeks, he will see still greater difference in everything that enters into cream separator practicability and usefulness.

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THAT'S THE REASON WHY FOUR buyers out of five are buying De Laval Cream Separators in 1914, and why the use of De Laval machines will, before long, be nearly as universal on the farm as already is the creamery and milk plant use of power or factory separators.

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